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AUTHOR	Pugsley, David C.
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ABSTRACT

Produced for primary grades, this booklet provides study of the mineral or rock cycle in nature. Line drawings, a minimum amount of narrative, and a glossary of terms make up its content. The booklet is designed to be used as reading material, a coloring book, or for dramatic arts with students acting out parts of the cycle. This work was prepared under an ESEA Title III contract. (BL)

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The Rock Cycle

Or It's Hard When You're A Rock

Produced by Gallatin County Environmental Center
Director: Gary D. Swant
David L. Hunsley
Bozeman, Montana
ESEA Title III Funding 1972

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Teacher,

The following is on the mineral cycle. This is one of the many cycles that exists in nature. This booklet is designed so that you can use it as reading material, a color book, or you can have your students act out the cycle.

Also provided on the last page, is a blank space so that the students can trace the trip on their own.

Others available in this series are:

Johnny Raindrop

Oxygen Twins

ABC's of Water

Ecky says, "Brush up on your Ecology"

The Rock Cycle

Coco Nut Meets the Gadget Maker

Clyde, Johnny, and The Oxygen Twins Want to Talk to You

Hi I'm Rocky Rock

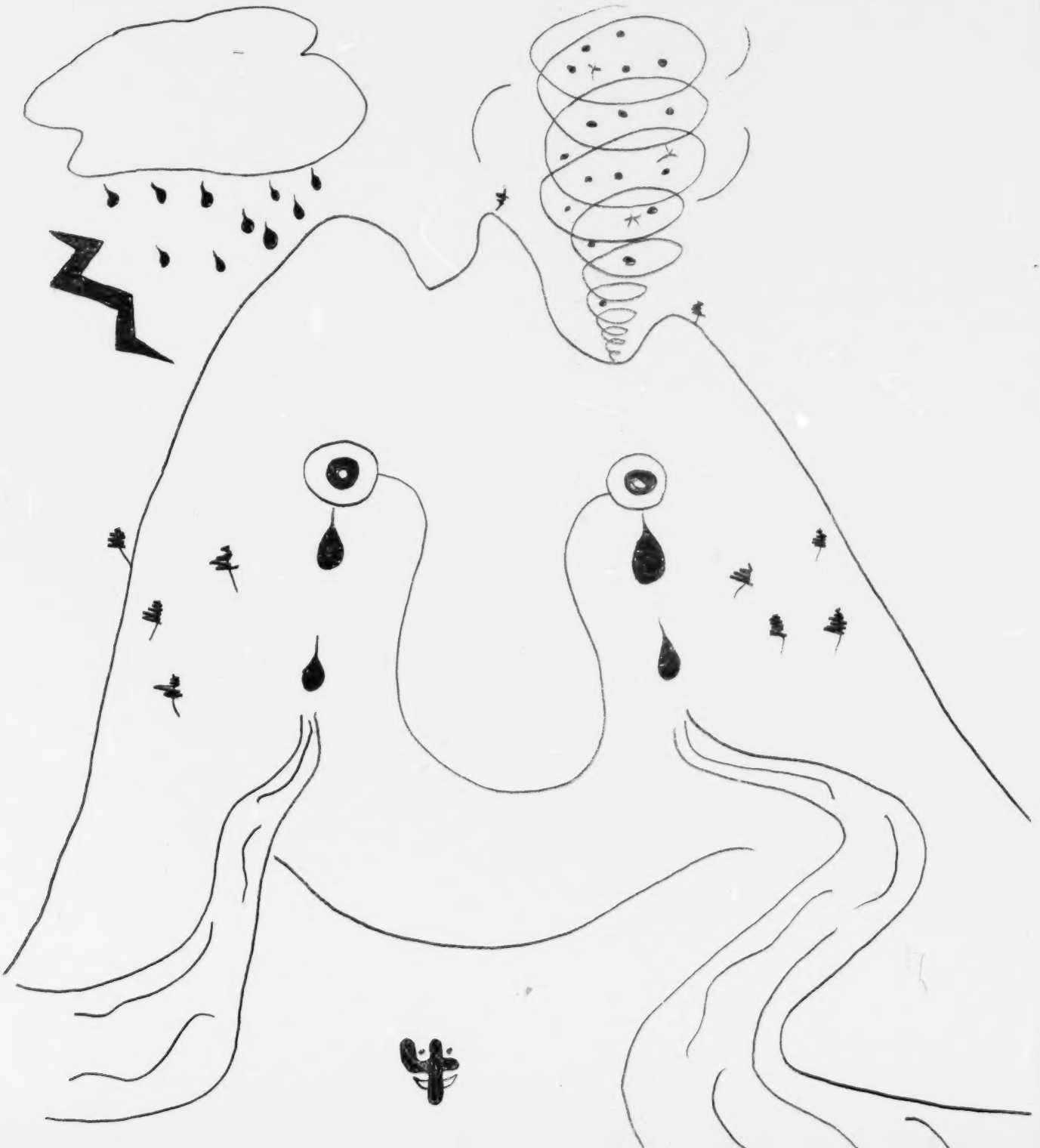
I'm found in this mountain

I'm part of the Rockies
The Mountains in the West

The wind, ice

and snow, puts my body to a test.

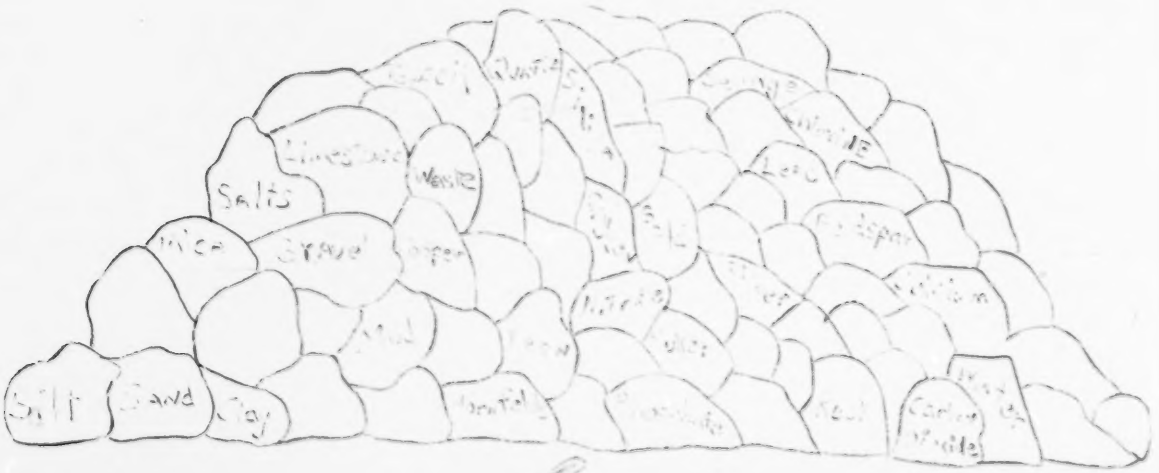
Each Day part of my body
The Weather Erodes Away



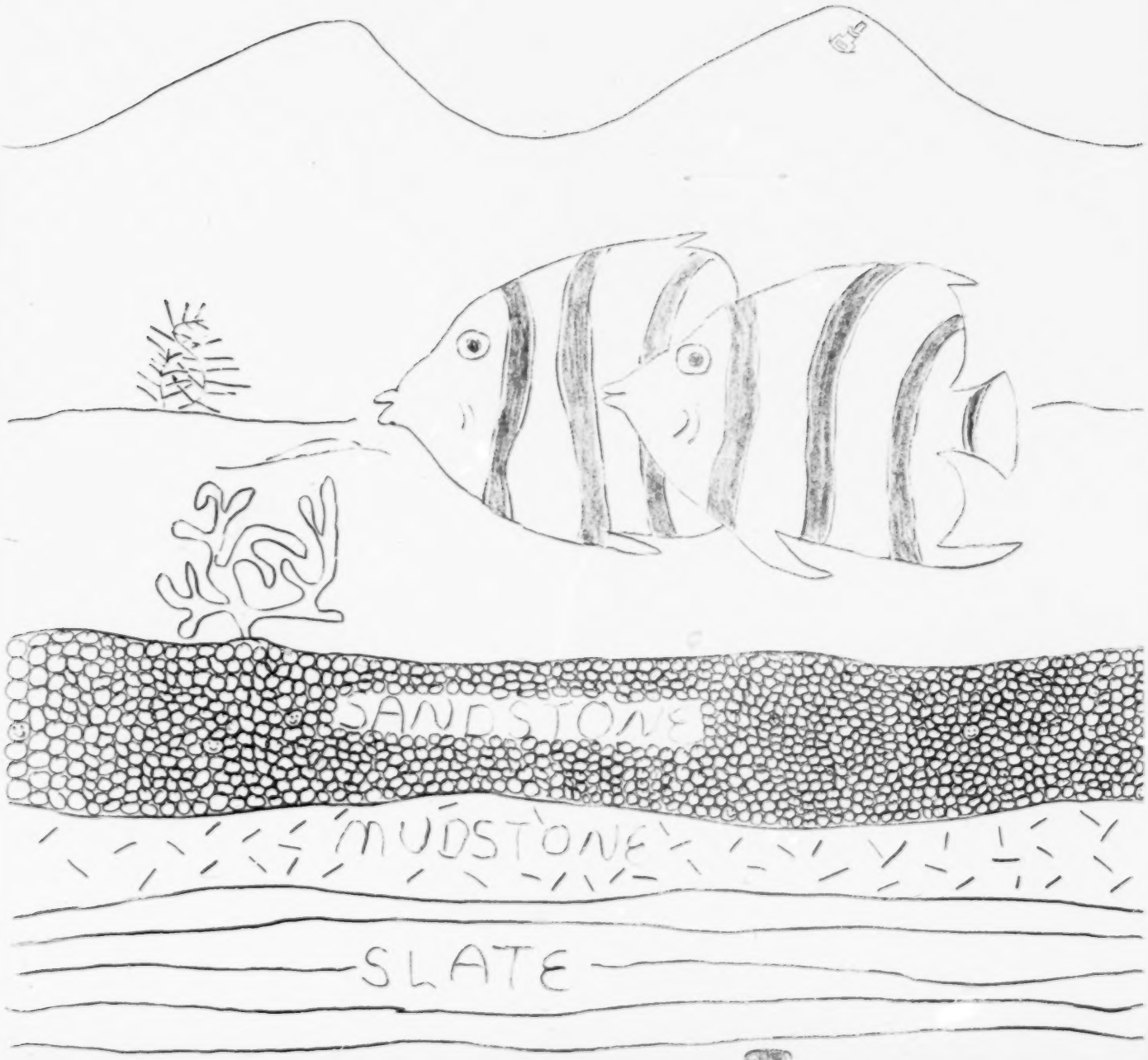
You Can See It in the Rivers
As silt and sand, and clay.

When the river meets the Ocean
It dumps its Heavy Load ...

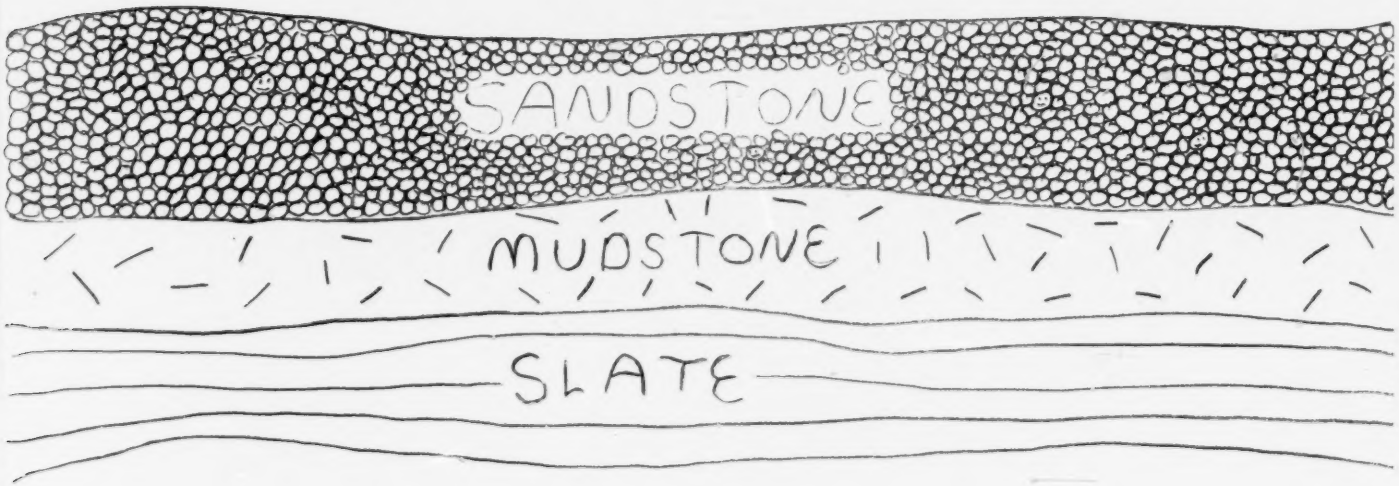
(Can you think of something that a river might carry?)

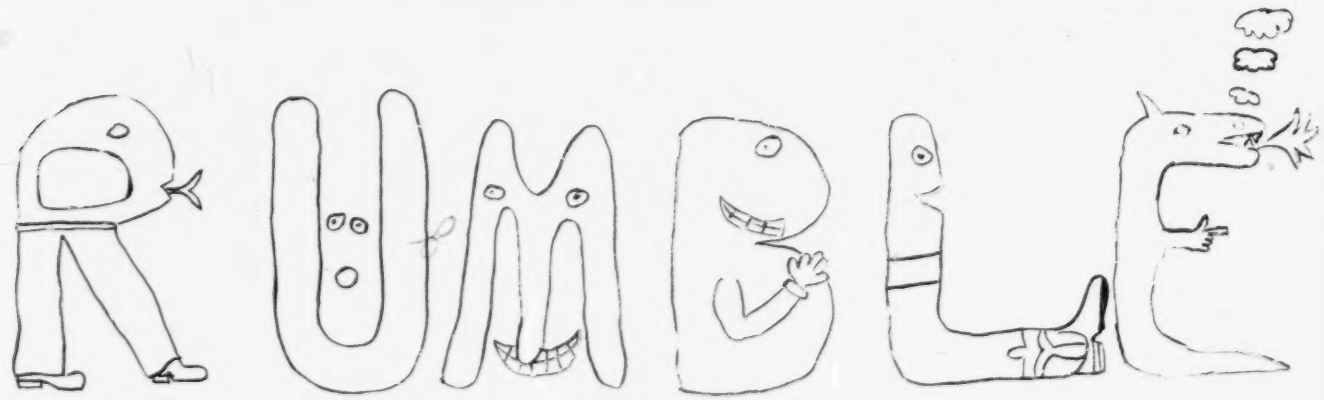


There it sits for many years
Until it turns to stone

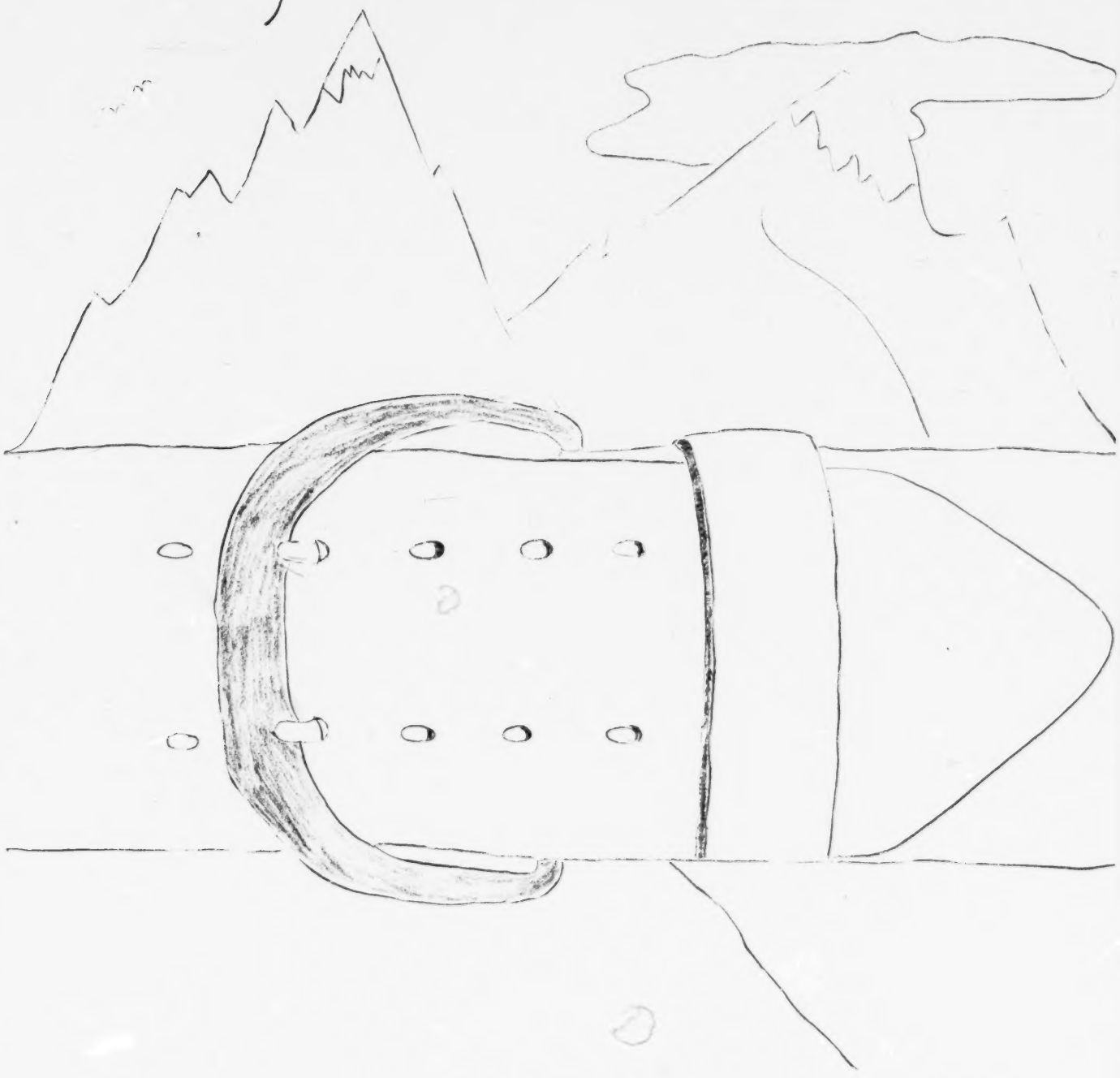


Then from beneath the Ocean's floor a mighty Rumble's felt.





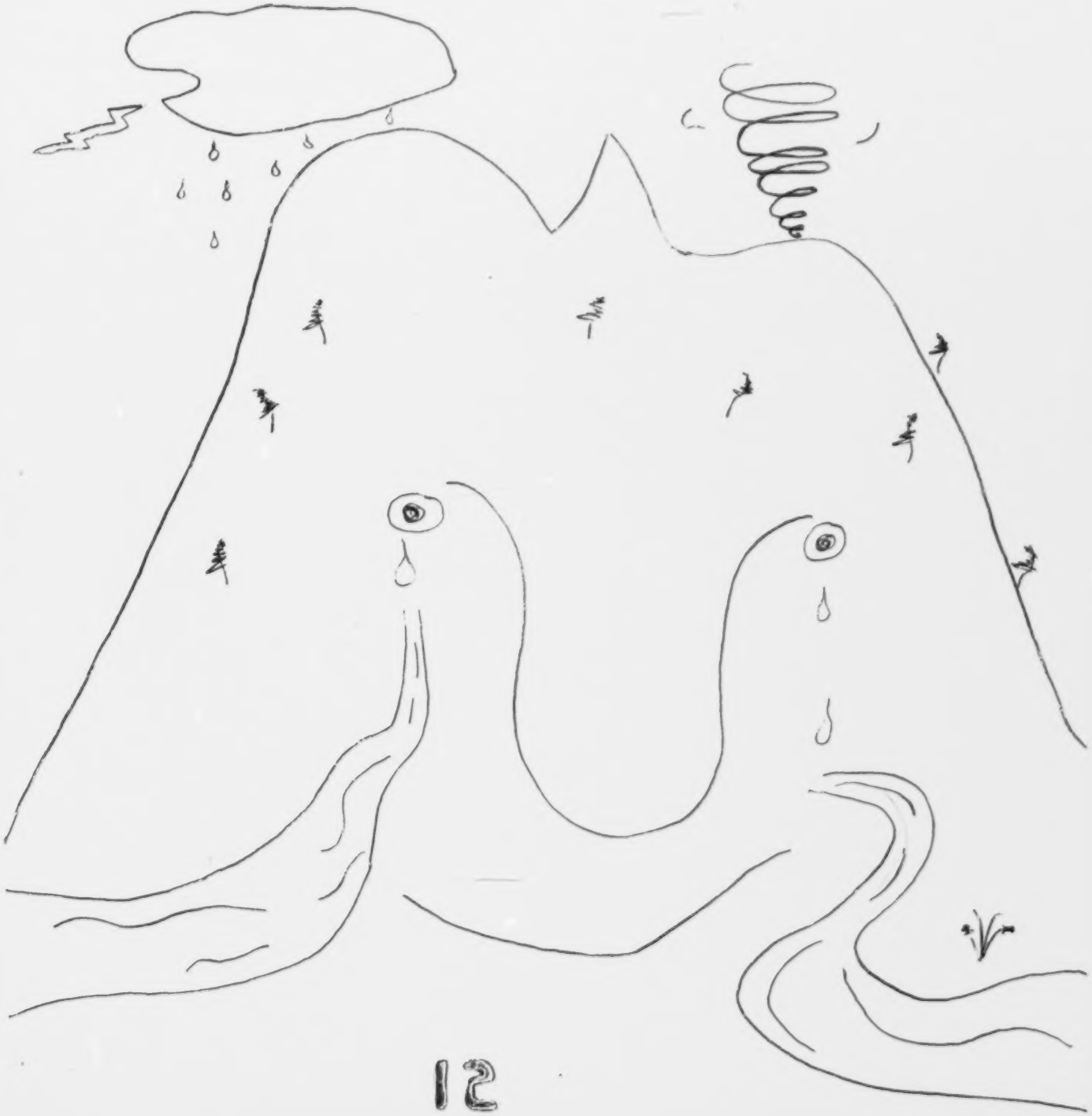
It is an Earthquake hard at work
Making a Mountain Belt



Quickly the belt rises,
Until above the sea.

And suddenly before us
Is a <u>continent</u> for you and me

The process of erosion
It starts all over again



You know the process now

And besides this is the

GLOSSARY

ROCKIES- a belt of uplifted rock that stretches from Alaska to the tip of South America.

MOUNTAINS- a very high uplifted rock. (Mt. Powell).

WEATHER- condition of the atmosphere with respect to temperature, moisture, cloudyness, pressure, ect.

ERODES- the process of wearing away any material by wind, rain, ice, snow, frost, heat, ect.

RIVER- one of many drainage systems which carry water by gravity, from the land masses to the oceans.

SILT- any very fine suspended material found in any body of water. forms a deposit when settled out.

SAND- tiny grains of worn rock, generally composed of quartz.

CLAY- a type of earth that is sticky and stiff when moist, and hard and brittle when baked. used in making plates, pots, and sculpture.

OCEAN- any of several vast bodies of salt water which cover 70.8% of the earths surface. (Atlantic, Pacific, Artic, Indian, ect.).

STONE- a substance composed of many minerals that can be hard or soft depending upon composition.

EARTHQUAKE- the movement of large pieces of land either above or below the earths surface in any manner. generally accompanied by tremors of various magnitude.

BELT- in this case, a series of continuous mountains that stretch between identified points.

SEA- a body of water larger than a lake, but smaller than an ocean. generally considered to be salty. (Caspian, Mediterranean, Black, ect.).

CONTINENT- any of several large land masses which cover 29.2% of the earths surface. (North America, South America, Asia, ect.).

PROCESS- how something takes place. how it happens.